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For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

(54) Title: POLYMER RESIN FORMULATION HAVING ANTI-MICROBIAL OR ANTI-COGULABILITY AND PREPARATION METHOD THEREOF

(57) Abstract: The present invention relates to an anti-microbial or anti-coagulating polymer resin and a method for preparing the same, and a medical appliance or instrument using the same, and more particularly to a method for preparing an anti-microbial or anti-coagulating medical polymer resin comprising the steps of simply mixing a polymer resin with at least one kind of pharmaceutically active material without using a solvent. The pharmaceutically active material is preferably an anti-microbial or anti-coagulant. According to the present invention, an anti-microbial or anti-coagulating material that is safe to a human body is mixed with a polymer resin by simple addition in an environmentally favorable non-solvent method, thereby maintaining superior anti-microbial effects even after high temperature molding, minimizing a released amount of anti-microbial to increase anti-microbial effect durability, and solving a toxic problem in a body. Therefore, the present invention can be extensively applied for medical appliances/instruments for a human body.



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INTERNATIONAL SEARCH REPORT

International application No.

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A. CLASSIFICATION OF SUBJECT MATTER

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According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

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Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Korean Patents and applications for inventions since 1975

Korean Utility models and applications for Utility models since 1975

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

USPAT, FPD, PAJ, KPA

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
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☐ Further documents are listed in the continuation of Box C.☒ See patent family annex.

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Information on patent family members

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